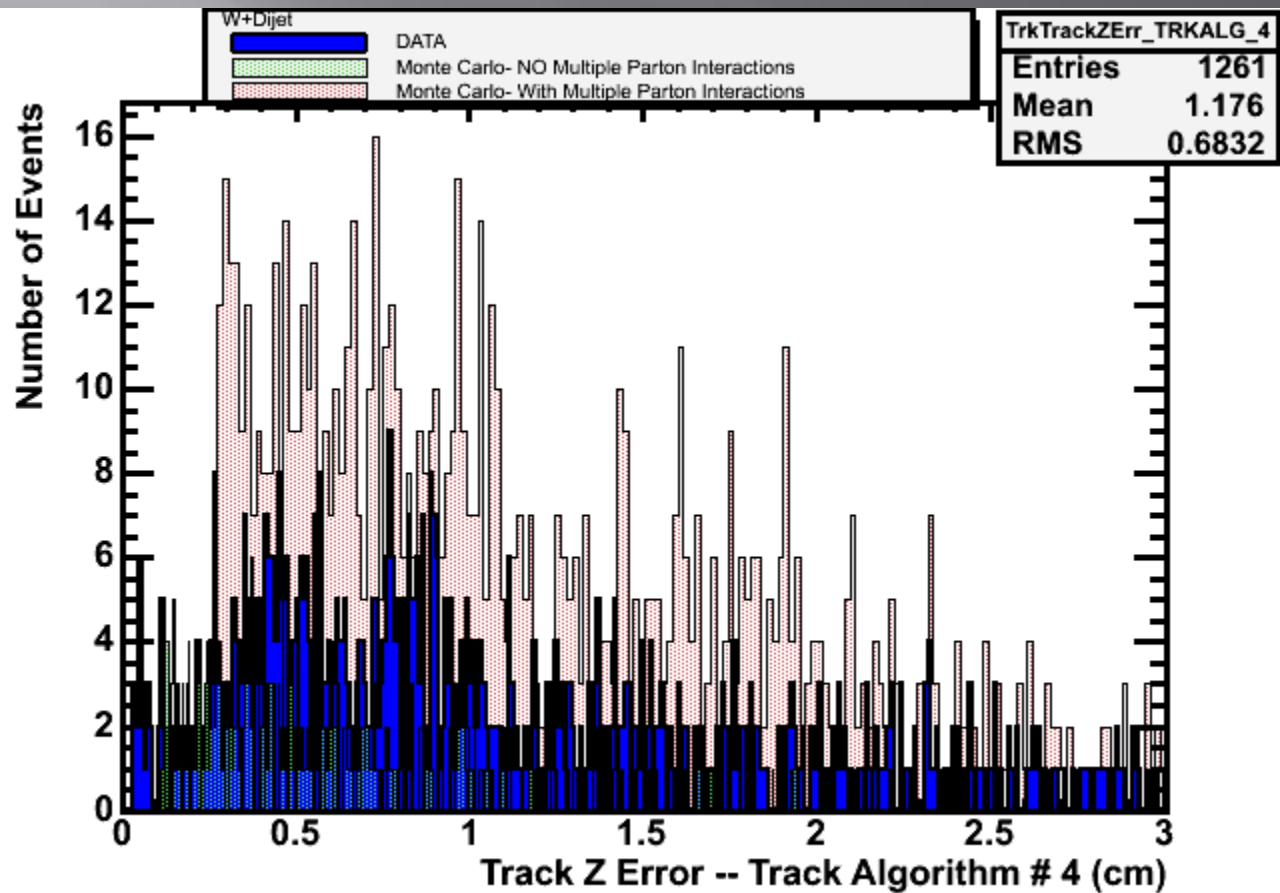


TRACK ALGORITHM # 4

Varsha Ramakrishnan

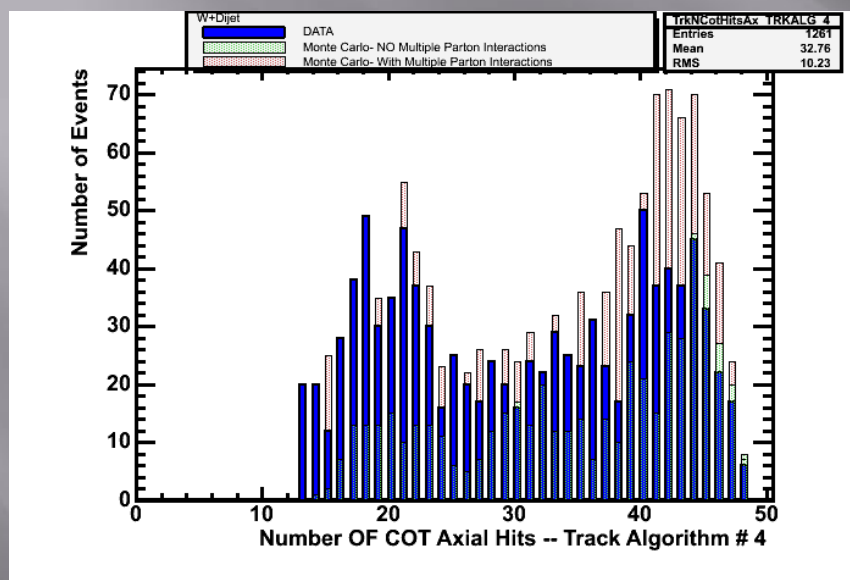
08/31/2009

Track Z Error

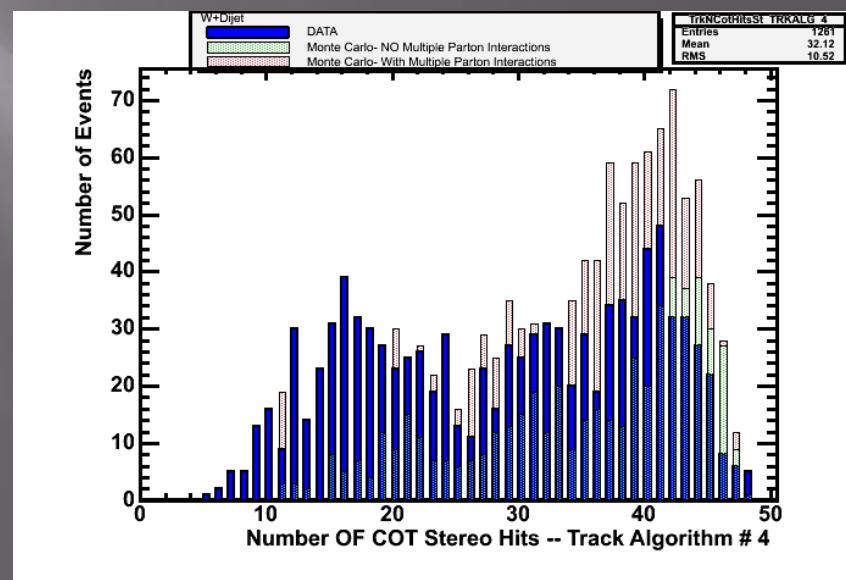


COT Hit Properties

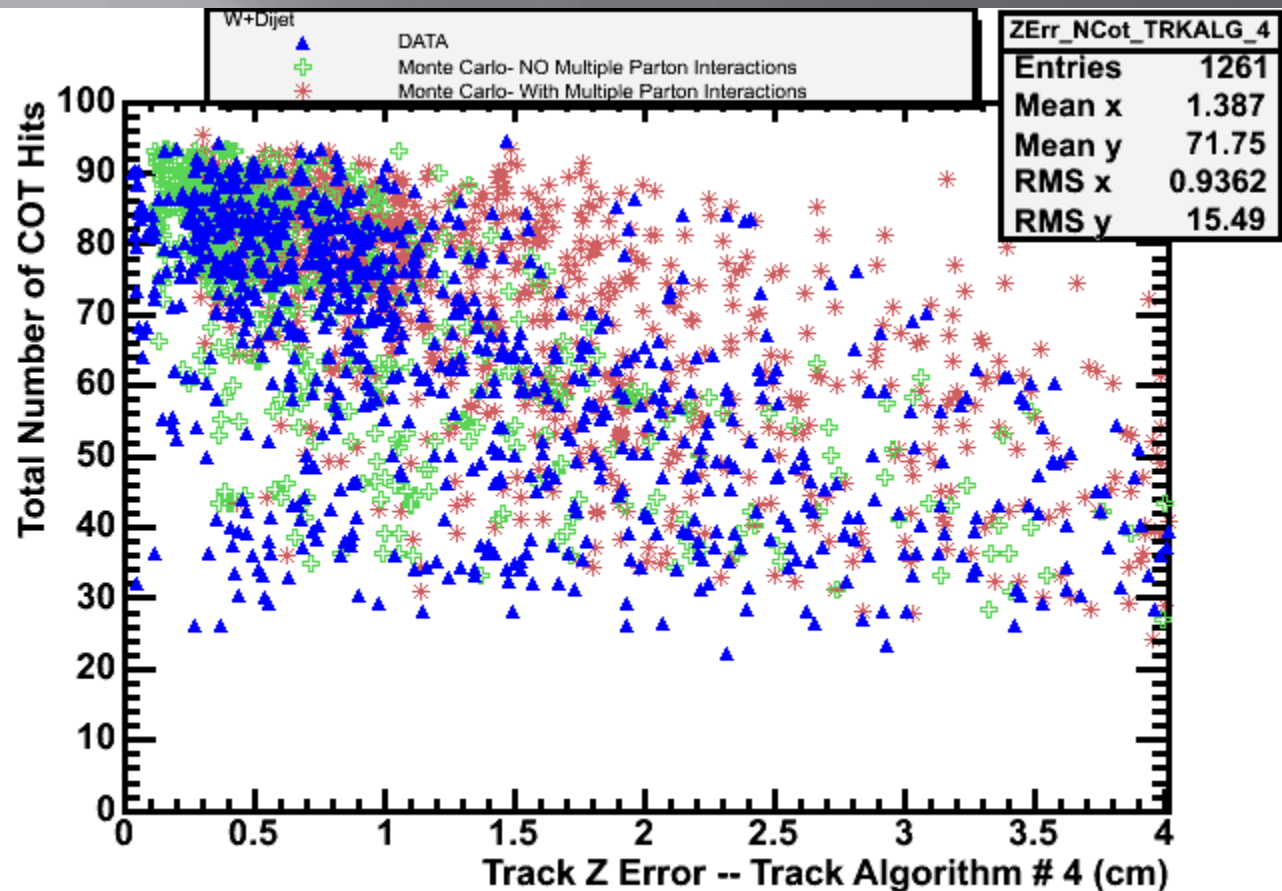
AXIAL HITS



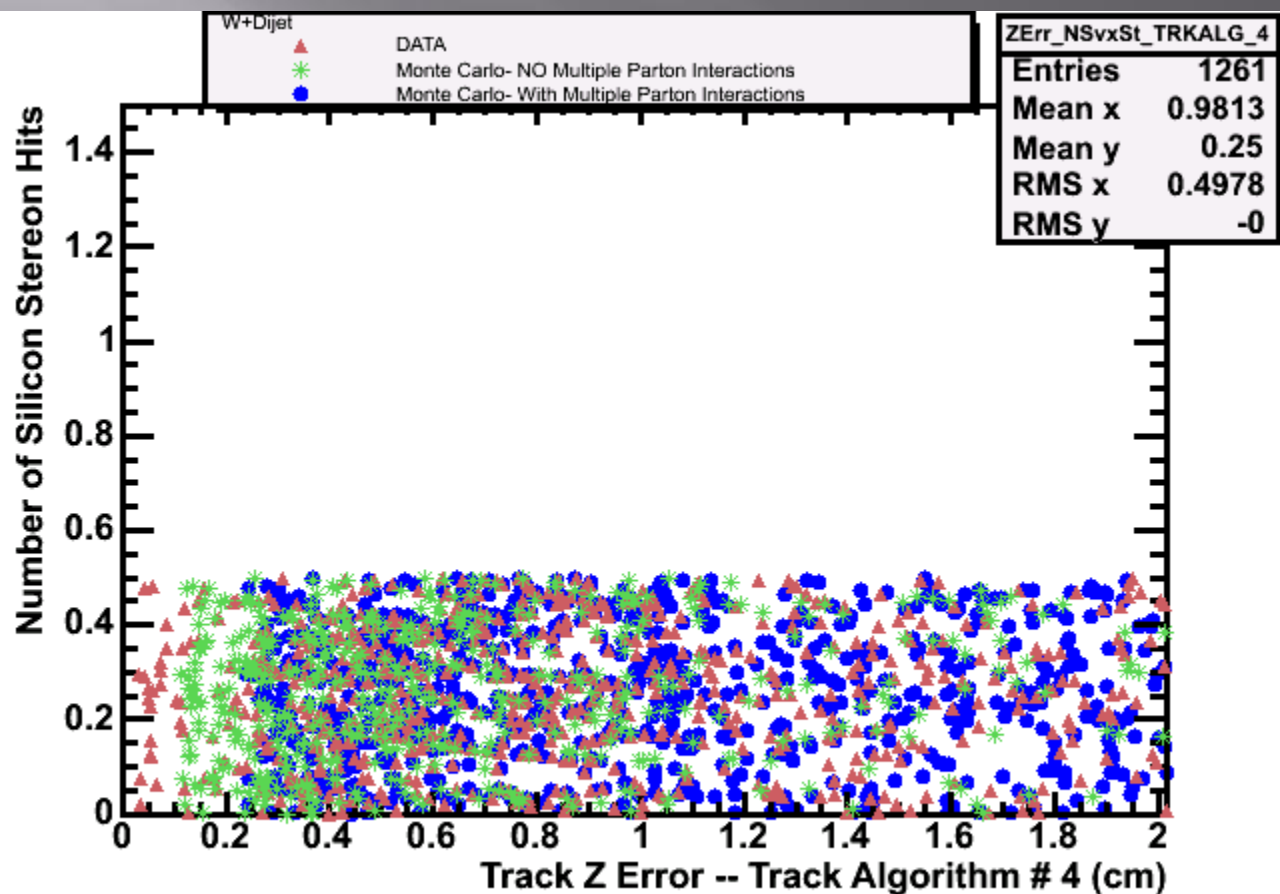
STEREO HITS



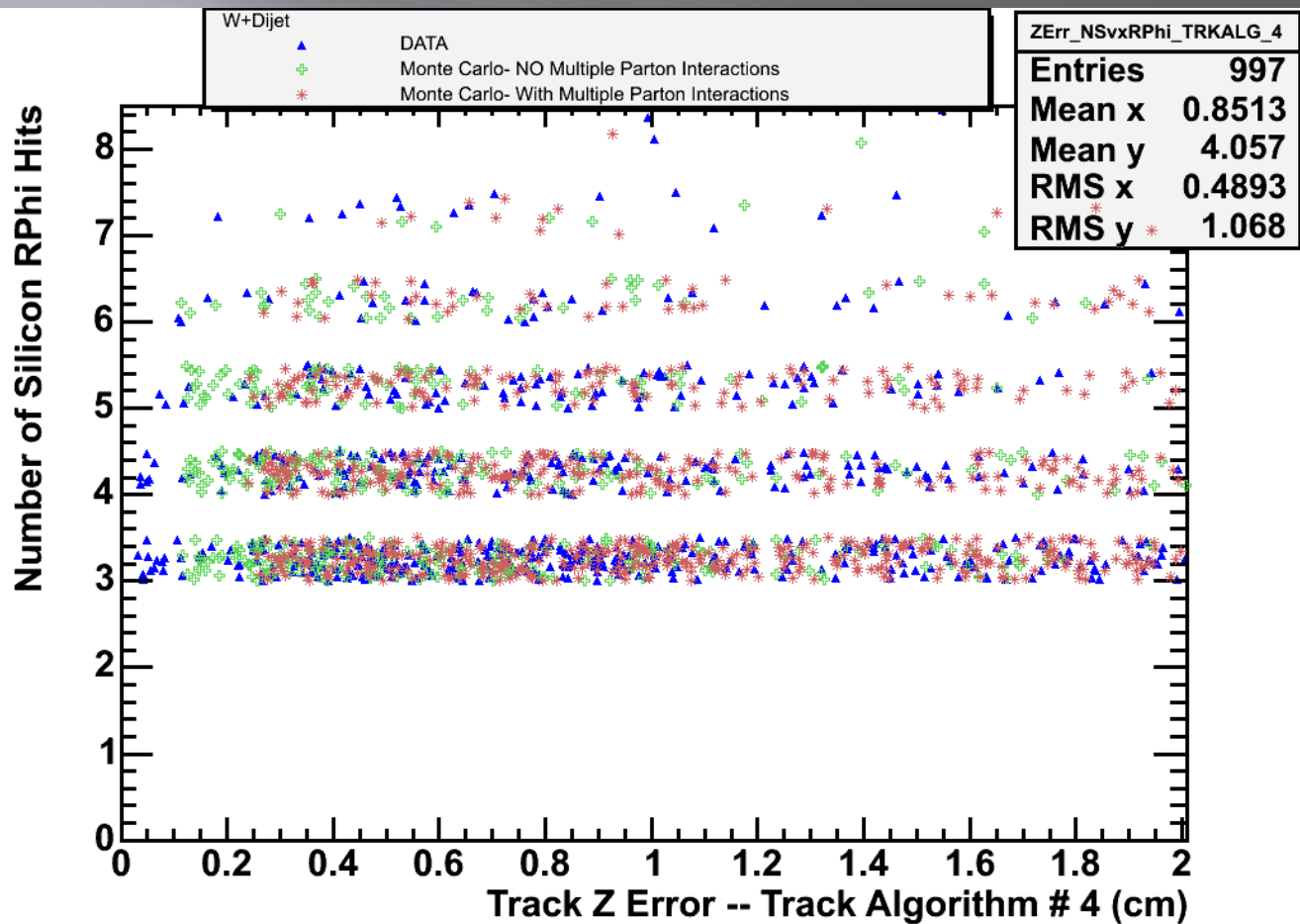
Total Number of COT Hits



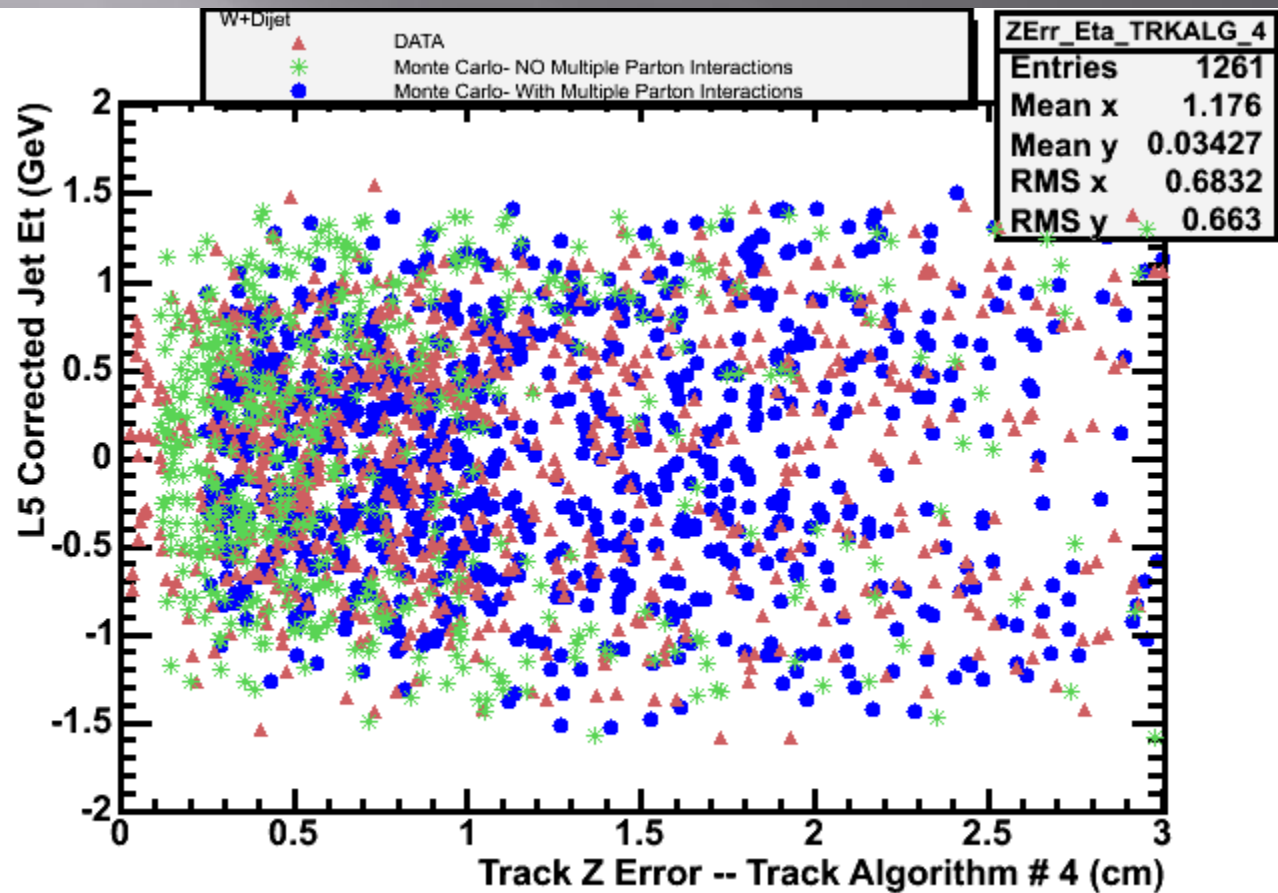
Silicon Stereo Hits Vs Z Error

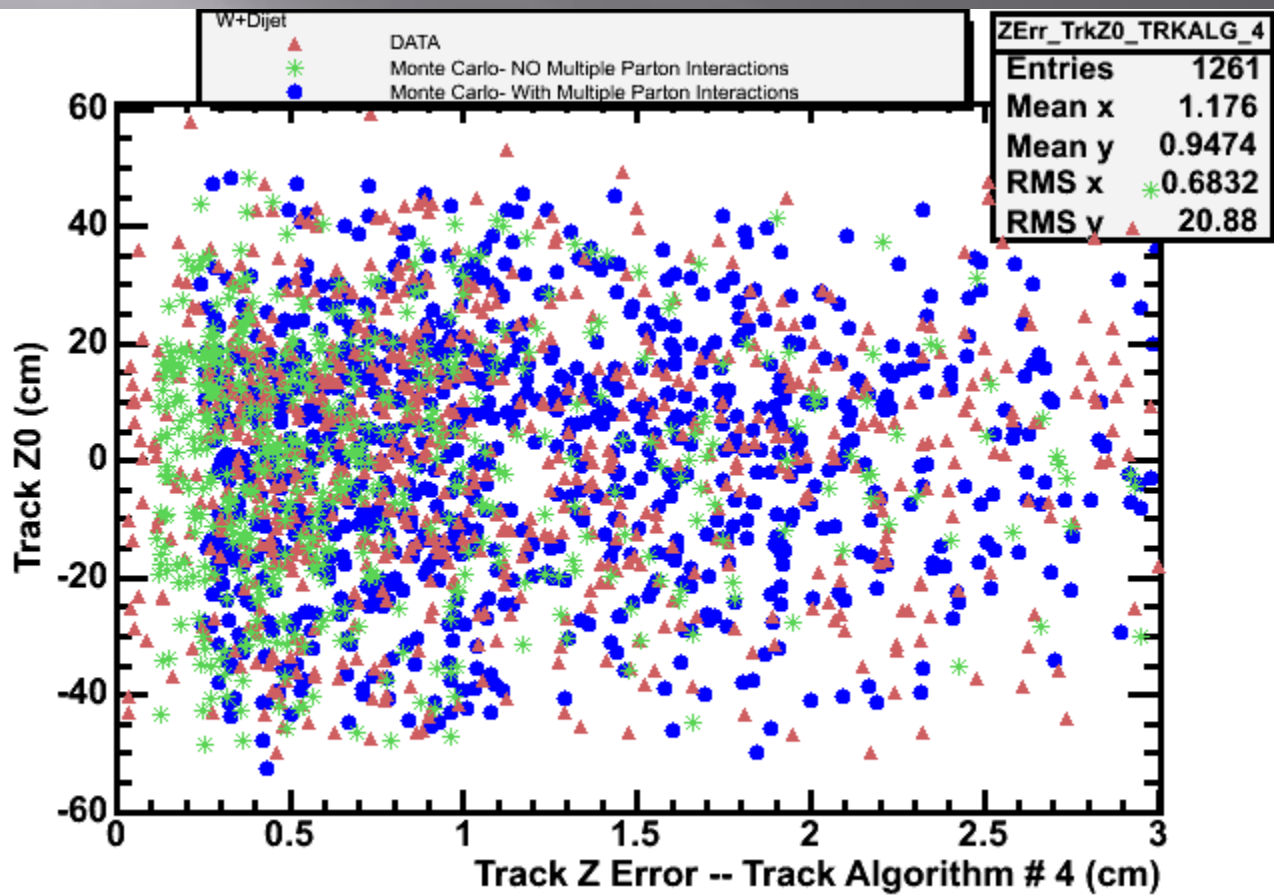


Silicon Rphi Hits Vs Z Error

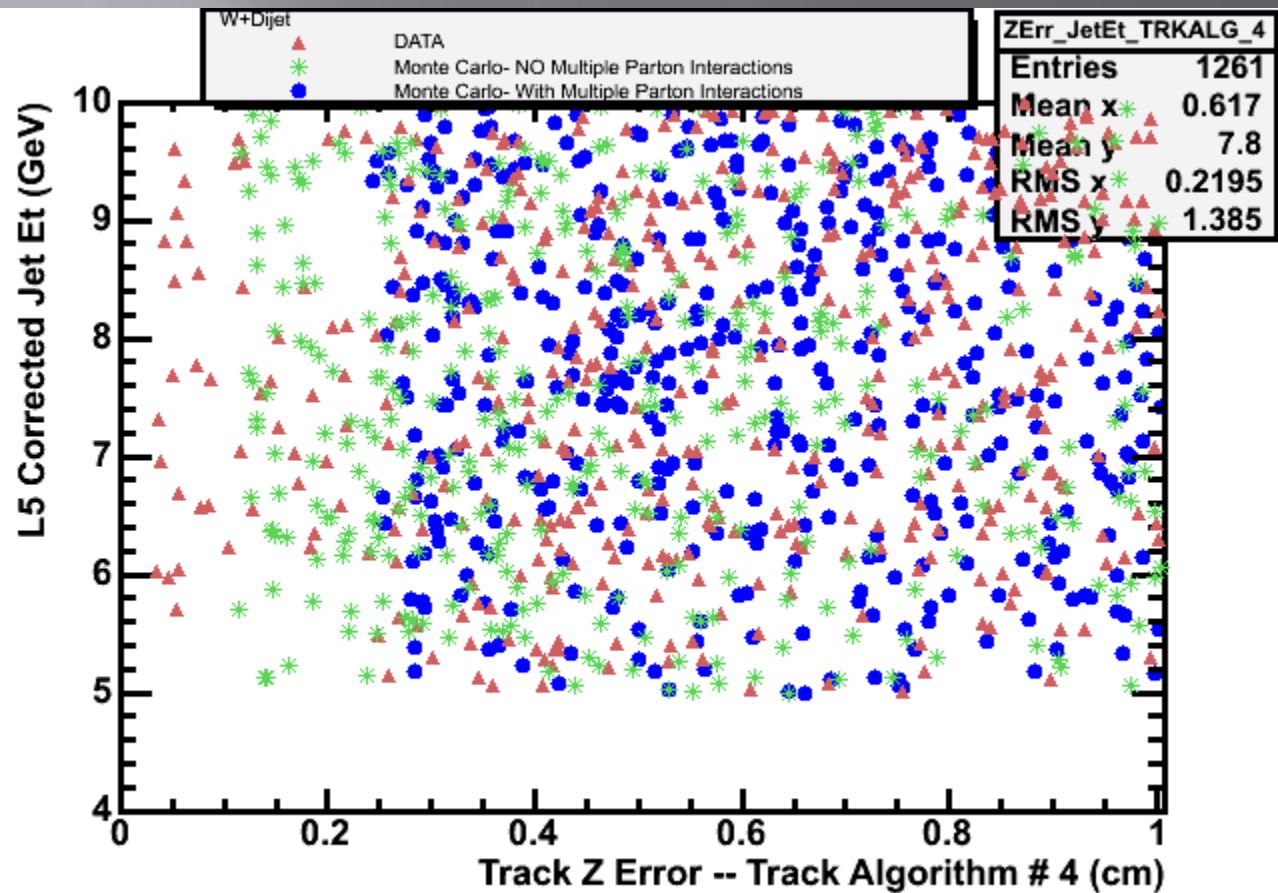


Jet Et Vs Z Error

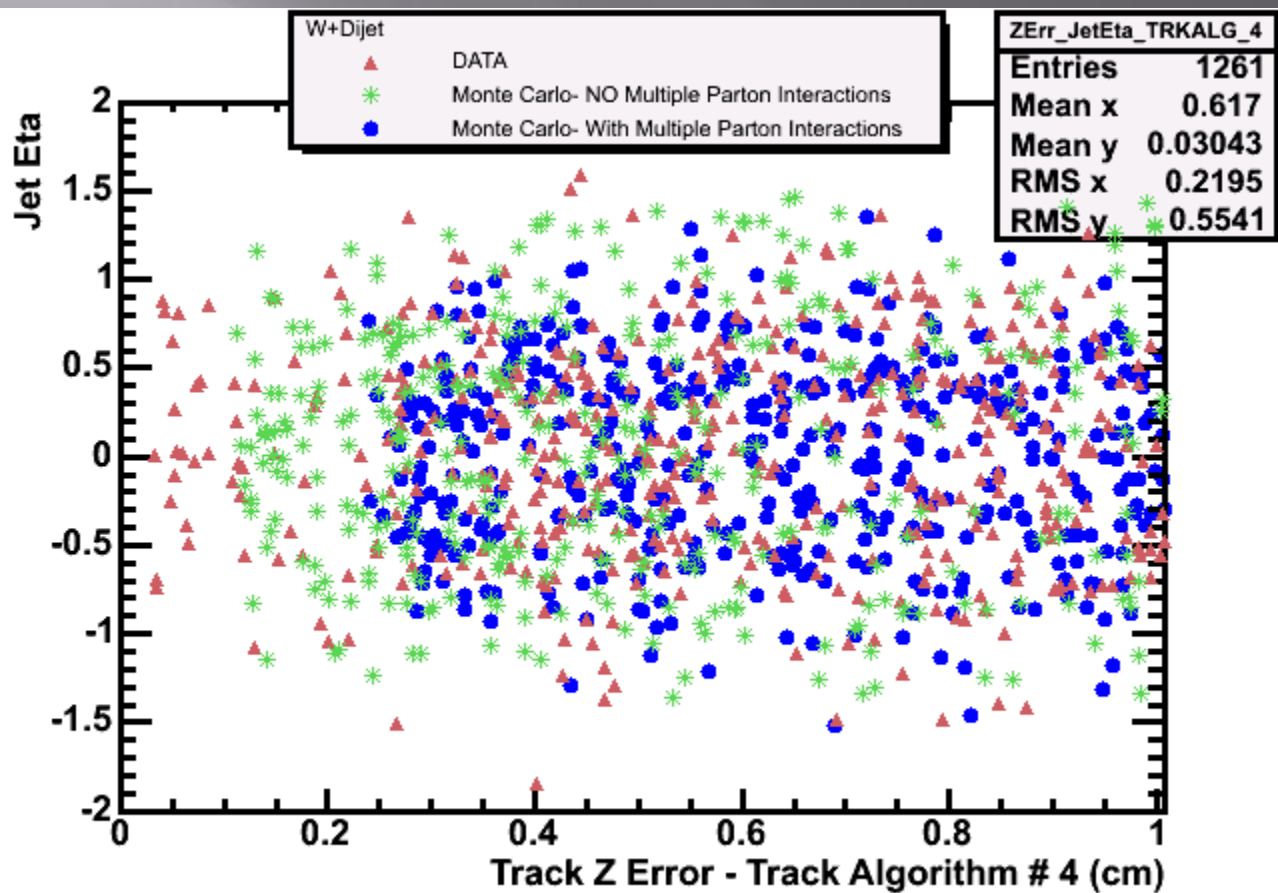




Jet Et Vs Z Error



Jet Eta Vs Z Error



Conclusions

- ▣ Not confined to the Track Eta or Jet Eta wrt Central Region => Leaser resolution
- ▣ Absence of Silicon Stereo Hits accounts for the Bad Z Resolution
- ▣ Not a good choice for Calculating the Jet Z Vertex